



US EPA RECORDS CENTER REGION 5



426937

115th STREET and BELL ROAD • LEMONT, ILLINOIS 60439 • PHONE (312) 257-5464

Sept. 15, 1980

RECEIVED

SEP 19 1980

II' E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Brad Benning
Illinois E.P.A.
33 S. Stolp
Aurora, Il. 60506

Re: Union Oil Company
Sludge Dumping
Sec. 36-37-10

Gentlemen:

It has been approximately thirty (30) days since the date of notification to you about a sludge dumping program being carried on by Union Oil Co., near Lemont, Il. At that time, we had inquired as to what permits had been granted and if any analysis of the material had been done.

Our concern was very great as we were in the receiving end of the drainage pattern for their site. As we all know, we have had great amounts of rainfall since that notification, and subsequently were inundated with large amounts of material deposits from their site.

At this time, I would like to request any copies of information and correspondence that would be connected to this problem. I am enclosing herewith, a copy of a lab report done on the sludge material and would care to have you comment on it. If you had completed any additional tests, I would appreciate a copy of those results.

I also would like to know if any permits were applied for or granted for land fill of this particular material. As there was no runoff control measures done for this material, have there been any notices of violations issued in reference to same?

Letter to ...

Enclosure



Please advise us of the status of any action taken by you with regard to this problem.

As time is of the essence, we would like to ask for an early reply on this matter.

Very Truly Yours,

Ronald J. Patterson
Partner

RJP/dp
Enclosure

Copies to: Jim Corcoran, Metropolitan Sanitary District
Alan D. May, Soil Conservation Service, Will, South Cook Co.
Don Railsback, Cook Co. Health Dept.
Jim Berringer, Will Co. Health Dept.
Scott Reiter, Will Co. Engineer
Chris Moffett, Pollution Control Board
Phil Caplan, U.S. E.P.A.
William Dixon, State of Illinois Geology Engineer
Robert Sasman, State of Illinois Water Engineer
Jack Barnette, Illinois E.P.A. (Maywood)
Jack Moore, Illinois E.P.A. (Springfield)
Bill Busch, Illinois E.P.A. (Springfield)
Brad Benning, Illinois E.P.A. (Aurora)
Joseph Svoboda, Illinois E.P.A. (Springfield)
George Wolff, Illinois E.P.A. (Springfield)
Ray Hibner, Illinois Dept. of Mines & Minerals



ARRO Laboratories, Inc.

P.O. Box 686 Caton Farm Road Joliet, Illinois 60434 Telephone (815) 727-5436 Telex 723421 UAR JOL

August 22, 1980

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SEP 1 1980

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

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SEP 19 1980

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Mr. Ron Patterson
Equestrian Estates Develop. Co.
115th Street & Bell Road
Lemont, Illinois 60439

ILLINOIS EPA PROCEDURE

SAMPLE DESCRIPTION

ARRO #56757E - Sludge Sample

DATE
8/8/80

	As Received	Dry Wt. Basis	24hr Leachate	ugs leached per gm of dry wt. solids
Flash Point (Closed Cup)	43°C			
Alpha Radiation	Backorder			
Percent Alkalinity	6.10%			
Total Solids	34.2%			
Ash Content	24.9			
Volatile Total Solids	9.27%			
Cyanide Total	5.398 (3.74 after removal of sulfide)			
pH	11.4			
Oils & Grease	1.35%			
Silver	<4.		0.1	2.9
Arsenic *	Backorder	Backorder	Backorder	Backorder
Barium	79	231.	5.5	160.8
Cadmium	<4		<0.05	
Chrome	0.12%	0.35%	28	818.7
Copper	36	105.	0.1	2.9
Mercury, ppB	17.89	52.	0.33	0.6
Nickel	43	125.7	0.62	18.1
Lead	2.7	7.89	<0.2	
Selenium	0.021	0.06	0.005	0.15
Zinc	831	2429.8	0.19	5.5
Benzene	Backorder			
Hydrocarbon Compounds	Backorder			

* Interferances Oil settles on top of sludge.

As Rec'd - By Wt. ug/gm mg/l ÷ Decimal Equ. of Total Solids = Dry Wt. Basis
Leachate - 1:10 Dil. mg/l mg/l ÷ Decimal Equ. of Total Solids x 10 = ugs Leached per gram of Dry Wt. Solids

Analysis certified by Alice G. Roketa
ALICE G. ROKETA, Manager
Environmental Division

Approved by TERESE M. IACIAK
Laboratory Manager

Testing is in accordance with procedures outlined in the newest Federal Register.

August 22, 1980

ARRO #56757E

ARRO LABORATORIES, INC.
P.O. Box 686, Caton Farm Road
Joliet, Illinois 60434SAMPLING PROCEDURE

- * COMPANY: Equestrian Estates Develop. Co.
- * SAMPLER: Alice Roketa, Helen Armstrong, Ron Patterson
- * DATE & TIME OF SAMPLING OR PICKUP: 8/8/80 12:05pm
- SAMPLING PROCEDURE: Grab
- * SAMPLING SITE: 131st St. & Smith Road
- * NUMBER OF SAMPLES COLLECTED: 2 (1 was given to client)
- CALIBRATION OF SAMPLER: _____
- FREQUENCY BETWEEN SAMPLES: 5 minutes
- PRESERVATION OF SAMPLES: refrigeration
- * HOW TRANSPORTED: car
- * IDENTIFICATION OF SAMPLES: _____
- | | |
|-------------------------|-----------|
| 1. <u>Sludge Sample</u> | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |
- * STORAGE IN TRANSPORT: Cooler
- CONDITION OF SAMPLING LOCATION: Sludge Field
- WEATHER CONDITION: Clear, warm
- * SAMPLES RELEASED TO AT LAB:
- | | <u>Initials</u> | <u>Time & Date</u> |
|----------------|--------------------|------------------------|
| 1. Logging: | <u>NE</u> | <u>4pm 8/8</u> |
| 2. Supervisor: | <u>[Signature]</u> | <u>8:55-5:0</u> |
| 3. Analyst: | _____ | _____ |
- * STORAGE IN LAB:
- | | |
|----------------|-------|
| 1. Location | _____ |
| 2. Temperature | _____ |
- * LAB STORAGE TIME BEFORE DISPOSAL: _____
- * DISPOSAL:
- | | |
|--------------|-------|
| 1. Date: | _____ |
| 2. Time: | _____ |
| 3. Initials: | _____ |
- * HOW DISPOSED OF: _____

NOTE: * For Pickup of Samples Only - no sampling involved